Claims

What is claimed is:

- 1 A semiconductor laser, comprising:
 - a first reflector assembly having an upper face;
- a second reflector assembly having a lower face that faces the upper face of the first reflector assembly; and
- a phase conjugator between the first and second reflector assemblies, the phase conjugator including:
- a first semiconductor active region parallel to the upper face of the first reflector assembly and the lower face of the second reflector assembly;
- a second semiconductor active region that is not parallel to first semiconductor active region; and
- a third semiconductor active region that is not parallel to the first semiconductor active region.